

Flow and temperature meter for oil-based liquids



flow-captor 4204 / 4054.31

The **flow-captor** type 4204, together with the separate electronic unit type 4054.31, monitors flow as well as temperature of water-based liquids up to a temperature of 100 °C.

The non-intrusive flow-captor with stainless steel (WN 1.4305) housing and sensing surface, which can be easily mounted by the stainless steel 3/4 " thread, transmits the pulsed flow signal and the analog temperature signal to the transducer where they are converted into an analog output signal.

The flow-captor operates according to the calorimetric principle, which is unsurpassed by other sensing technologies, where the ruggedness and reliability quality of the flow-captor cannot be matched.



- Simple to install
- Flow and temperature meter for water-based liquids
- No moving parts, non-intrusive sensing
- Stainless steel housing and sensing surface
- **ISO 9001 : 2008**

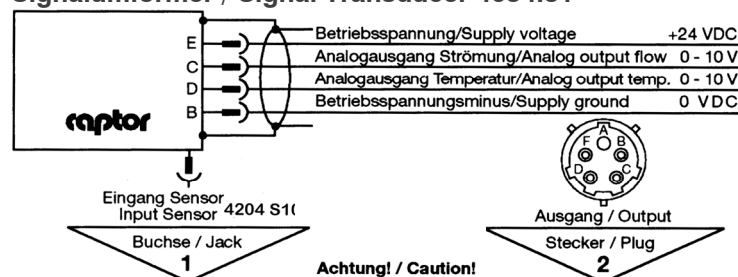
Technical Data		
Type	4204 / 4054.31	
Medium	water-based solutions	
Sensor Data Type 4204		
Housing	stainless steel, WN 1.4305	
Thread	G 3/4 " BSP	
Sensor Connection	50 cm silicone armoured cable (max. 100 cm on request)	
Connector	5-pin male plug (Cannon)	
Temperature of medium	-20 °C to +100 °C	
Flow measuring range	0-100 cm/s (related to water)	
Electrical Data (Electronic unit) Type 4054.31		
Housing	aluminium, chromized	
Supply voltage	24 V DC ± 10%	
Power consumption	2 W typical, max. 3 W	
Ambient temperature	-20 °C to +70 °C	
captor-connection	5-pin female socket (Cannon)	
Output / supply connection	4 -pin male socket (Cannon)	
Output / supply connector	cable, 2 m length *, with one female plug (Cannon)	
Output	Temperature	Flow
Measuring range **	-20 °C to +100 °C ***	0 to 100 cm/s***
Analog output	0 - 10 V	0 - 10 V
Curve	linear	no linearization

* different cable length on request

** fixed, no range adjustment

*** related to water

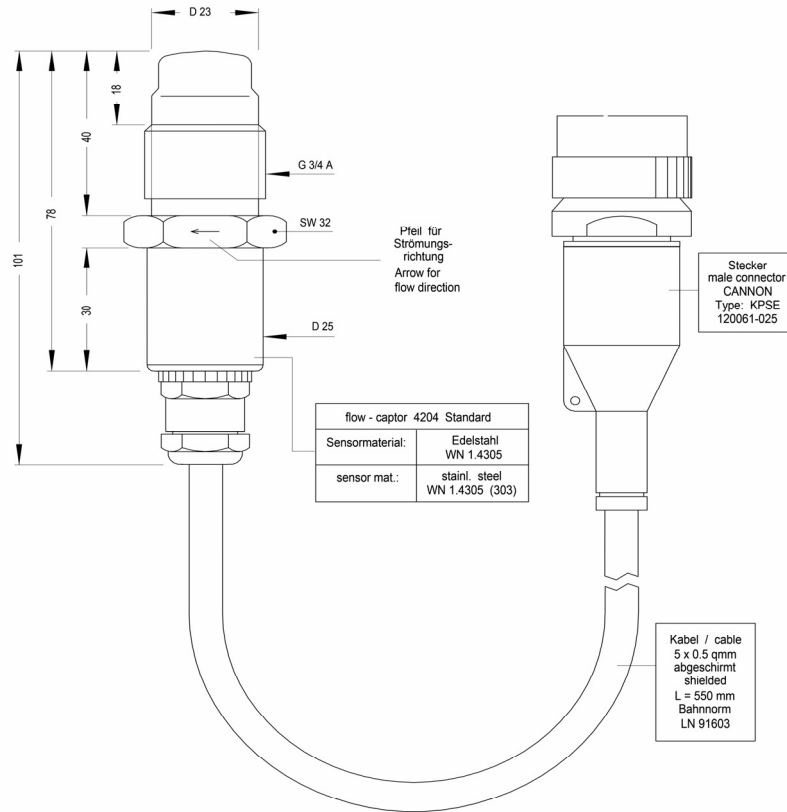
Signalumformer / Signal Transducer 4054.31



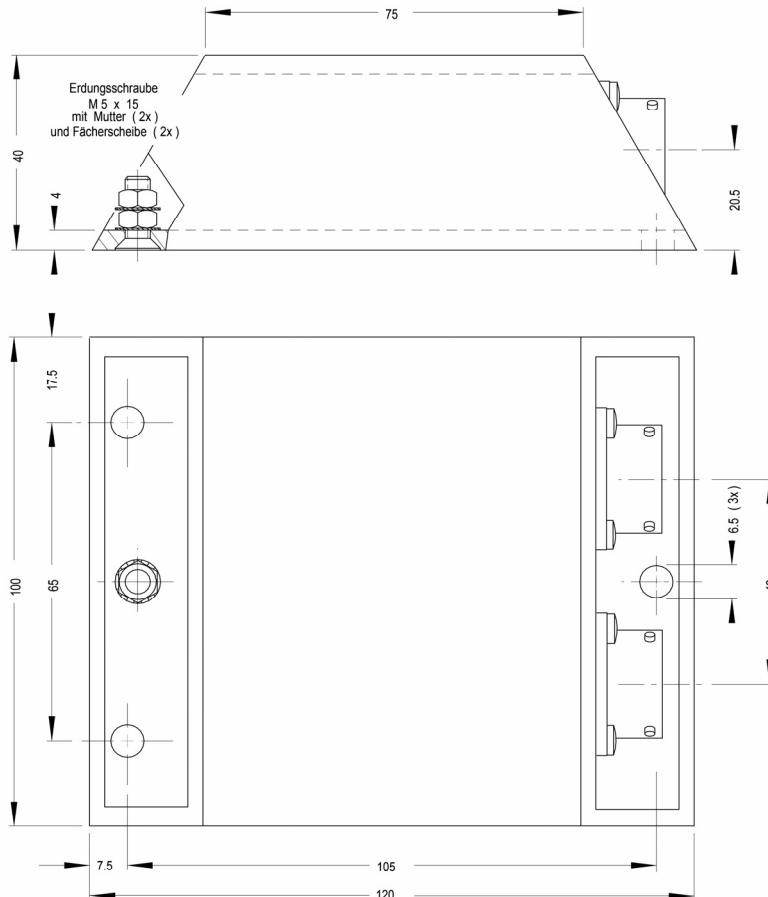
weber

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Dimensions



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